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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/717,292	11/22/2000	Nabil N. Seddigh	PM 270155	2050

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EXAMINER

HOANG, THAI D

ART UNIT PAPER NUMBER

2667

DATE MAILED: 09/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental
Notice of Allowability**

Application No.

09/717,292

Examiner

Thai D. Hoang

Applicant(s)

SEDDIGH ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 08/19/2004.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☒ The drawings filed on 22 November 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

This Office action is made to correct claim 29, which is amended in the Examiner Amendment filed on 12/02/2004.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Holmes W. Anderson on November 19, 2004.

The application has been amended as follows:

Claim 15, line 1, the statement "data How" has been changed to – data flow—

Claim 29: (currently amended) A machine-readable medium encoded with a plurality of processor-executable instruction sequences for classifying a data flow, said instruction sequences comprising:

identifying, tracking, and managing said data flow by a data flow managing mechanism;

comparing information contained in said data flow with a plurality of rules containing pre-specified values, said plurality of rules included in a rule set; and

initially classifying, by a configurable classification rule engine, said data flow into one of a plurality of traffic classes based on results of said comparisons between said rules and said pre-specified values, and subsequently reclassifying said data flow into a

different one of the plurality of traffic class based on different results of said comparisons;

wherein said classification rule engine is configured by a configuration file, said configuration file specifying said pre-specified values and information regarding at least one of said data flow, said rule set, and said plurality of traffic classes, and

wherein said configuration file comprises a format that allows for the modification and reconfiguration of said classification rule engine, said data flow, said rule set, and said plurality of traffic classes.

Allowable Subject Matter

Claims 1-42 are allowed.

The following is an examiner's statement of reasons for allowance:

Yu, US Patent No. 6,625,150 B1, discloses a method and system called policy engine architecture for controlling data flow. Yu does not teach or fairly suggest the following features, which are recited in independent claims 1, 15 and 29 of the present application:

A data flow classification system comprising:

a data flow managing mechanism configured to identify, track, and manage said data flow;

a rule set including a plurality of rules for comparing information contained in said data flow with pre-specified values;

a configurable classification rule engine for classifying said data flow into one of a plurality of traffic classes based on results of said comparisons between said rules and

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said pre-specified values, and subsequently reclassifying said data flow into a different one of the plurality of traffic class based on different results of said comparisons;

a configuration file for configuring said classification rule engine and for specifying said pre-specified values and information regarding at least one of said data flow, said rule set, and said plurality of traffic classes,

wherein said configuration file comprises a format that allows for the modification and reconfiguration of said classification rule engine, said data flow, said rule set, and said plurality of traffic classes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D. Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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rules and said pre-specified values, and subsequently reclassifying said data flow into a different one of the plurality of traffic class based on different results of said comparisons;

wherein said classification rule engine is configured by a configuration file, said configuration file specifying said pre-specified values and information regarding at least one of said data flow, said rule set, and said plurality of traffic classes, and

wherein said configuration file comprises a format that allows for the modification and reconfiguration of said classification rule engine, said data flow, said rule set, and said plurality of traffic classes.

Allowable Subject Matter

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Yu, US Patent No. 6,625,150 B1, discloses a method and system called policy engine architecture for controlling data flow. Yu does not teach or fairly suggest the following features, which are recited in independent claims 1, 15 and 29 of the present application:

A data flow classification system comprising:

a data flow managing mechanism configured to identify, track, and manage said data flow;

a rule set including a plurality of rules for comparing information contained in said data flow with pre-specified values;

a configurable classification rule engine for classifying said data flow into one of a plurality of traffic classes based on results of said comparisons between said rules and said pre-specified values, and subsequently reclassifying said data flow into a different one of the plurality of traffic class based on different results of said comparisons;

a configuration file for configuring said classification rule engine and for specifying said pre-specified values and information regarding at least one of said data flow, said rule set, and said plurality of traffic classes,

wherein said configuration file comprises a format that allows for the modification and reconfiguration of said classification rule engine, said data flow, said rule set, and said plurality of traffic classes.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thai Hoang



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SUPERVISORY PATENT EXAMINER
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9/23/05